PATENT ABSTRACTS OF JAPAN

(54) METHOD, DEVICE AND PROGRAM FOR
STORING XML DATA, AND RECORDING
MEDIUM WITH PROGRAM RECORDED
THEREON

(57) Abstract:

PROBLEM TO BE SOLVED: To provide the storage technology of XML data for preventing the degree of freedom or flexibility of XML data from being greatly blocked.

SOLUTION: Tables 200, 201 and 202 are prepared for each element by defining link relations between the items of the contents and attribute values of each element defined by the schema information 101 of XML data and the data as columns C1 to C7. The XML data following the schema information are successively traced from a route, and the data of each element are stored in the columns C1 to C7 of the corresponding tables. In particular, the down-grip column C3 and an up-grip column C4 are prepared, sequential numbers are assigned to the down-grip column in the order of appearance of data, and the values of the down-grip assigned to a master element are assigned to the up-grip column. The order of appearance and inter-data hierarchical relations are made distinguishable.